Attorney's Docket 7040-51

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Herzel	Examiner:	
Ser. No.:	09/980,982	Art Group:	
Title:	VOLTAGE-CONTROLLED OSCILLATOR WITH LC RESONANT CIRCUIT		
Filed:	3 December 2001	Date:	4 February 2001

SUPPLEMENTAL PRELIMINARY AMENDMENT

This Supplemental Preliminary Amendment is filed to correct a typographical error noted in the application as filed.

Amendments to the Disclosure

Please make the following changes to the specification:

[0026] Closure of the switching means S_x therefore causes halving of the inductance which is crucial in terms of the oscillator frequency. The quality of the pairs of coils L_1 and L_2 is equal to the quality of the individual coil. If it is considered that the following approximately applies for the oscillator frequency:

$$f_0 = 1./\sqrt{L},$$

the following relationship is found for the lower limit frequency f_0,min and for the upper limit frequency f_0,max for the frequency tuning range:

$$f_0,\max = \sqrt{2} \cdot f_0,\min \quad [\, f_0,\max = \sqrt{2 \cdot fo,\min}\,]$$

[0027] The following similarly applies for the general case of coils which are not necessarily the same:

$$f_0,\max = \sqrt{(1 + L1/L2)} \cdot fo,\min \quad [\, f_0,\max = \sqrt{(1 + L1/L2) \cdot fo,\min}\,]$$